

PORT OF SEATTLE
RECORD OF CLOSURE OF UNDERGROUND STORAGE TANK

T91n
WA 2917
No Date
7a

This form is intended to provide a complete record of all activity relating to tank removal and disposal or closure in place. It contains all information required by federal, state and local regulations.

NOTE: Tank removal and disposal must be conducted in accordance with the latest versions of: American Petroleum Institute (API) Recommended Practice 1604, Removal and Disposal of Used Underground Petroleum Storage Tanks; API Publication 2015, Cleaning Petroleum Storage Tanks; U.S.E.P.A Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks(UST), (40 CFR Part 280/Federal Register, Volume 53, pp. 37194-212)); Uniform Fire Code, Section 79; Seattle Fire Department Inspection Guidelines, No. 80.25; Abandonment of Tanks; SeaTac Fire Department Manual, Abandonment and Status of Tanks, dtd. 2/1/88; Chapter 173-03, WAC, Dangerous Waste Regulations; EPA Memo To Tank Owners, From Region 10 UST Manager, Permanent Tank Closure, undated and, WDOE Draft dated August 1, 1988, Policies and Procedures for Underground Storage Tank Removal. All of the above are on file in the Environmental Management Section.

FILE COPY

USEPA RCRA



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PART I - TANK INFORMATION (repeat for each tank)

Date: 02-APR-90 Name of Individual Completing Form: Wells

Location: T-91, Bldg M-182

POS Tank Inventory #: T91n WDOE Inventory#:

Tank Contents/Use:

 #2 Diesel, fuel for backup power generator

Location on Site (see diagram, Part IV): North side of M-182

Size of Tank (gals): 672 (length x diam): 8' x 4'

Tank Material: steel Tank Age: installed '58, 32 years

Corrosion Protection Method: none apparent

Status: Active _____ Temp Out of Svc _____ Abandoned X

 Date Rmvd from Svc: ?, pre-1980

 Empty: XXX Filled, Gals: Contents:

Tank Testing History (attach or reference any available records):

 No records available

Any documented spills or other incidents (attach or reference any available records):

 No records available.

Reason for Removal:

 Abandoned, remove to reduce liability

If tank is being removed as a part of a capital construction project indicate:

Project Name: POS Tank Removals

Work Order Number:

Project Engineer: Teresa Eckard

Resident Engineer:

Project Contractor:

Harding-Lawson for contamination study
Meridian Excavating for removal

If tank is being removed under other authority, describe briefly, indicate Work Order Number and Port staff in charge of activity.

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PART II - PRE-CLOSURE ACTIVITY

WDOE must be notified in writing at least 30 days prior to beginning of closure process. Attach copy of letter, any response received and describe any additional contacts.

Name of Individual Completing Form: Wells

Tank and piping emptied and cleaned by: NW Enviroservice

Date: 28-APR-89

Amount of Product: 700 gal (incl. other tanks) Amount of sludge:

Disposition of product, sludge and wash water (include Hazardous Waste Manifest if applicable and other documentation):

removal & disposal by NW Enviroservice, manifest attached

Costs:

Soils Sampling and Testing (Refer to PART V)

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PART III - TANK REMOVAL AND DISPOSAL

Name of Individual Completing Form: Wells

Fire Department Permit Number: 145737 (copy attached).

Tank Inerted by: T. A. Nigretto, SFD (must be licensed Marine Engineer
or Fire Dept. Inspector)

Fire Dept. Inspection by: T. A. Nigretto, SFD Date: 22-DEC-89

Results:

Tank tested @ 60% CO₂ 7 OK for removal/transport.

Tank Removed By (name and address of contractor):

Meridian Excavating & Wrecking
911 N. 141st St., Seattle, 98133
Attn: Chris Sweazey, (206) 364-4750

Disposition of tank, piping and related equipment:
removed from site by contractor

Visual indication of Soil or Groundwater Contamination (include photos if
appropriate)

apparent staining and saturation of soil with petroleum product

Costs:

Soils Testing (Refer to Part V)

WDOE Inspection by: NONE

Date:

Results:

Additional Testing Required? YES If yes, Refer to Part V.

POS Inventory Updated

By Whom:

Date:

WDOE Notified of Change (attach correspondence)

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PART IIIA - Closure in Place *** NOT APPLICABLE ***

Name of Individual Completing Form:

Fire Department Permit Number (copy attached):

Tank and Piping Emptied and Cleaned By:

Date:

Amount of Product:

Amount of Sludge:

Disposition of Product, Sludge, Wash Water (include Hazardous Waste Manifest if applicable, and other documentation).

Tank Inerted By: (must be licensed Marine Engineer)

Date:

Fire Department Inspection By:

Date:

Results:

Costs of above:

Fire Department Approval to Fill Tank in Place (attach correspondence):

WDOE Approval (include correspondence):

Tank Filled By:

Type and Amount of Fill Material:

Lines, Vents and Related Equipment Secured By:

Date:

Above Ground Equipment Removed and Disposed of By:

Date:

Disposition:

Costs of above:

POS Inventory Updated

Date:

By:

WDOE Notified of Change
(Attach copy of Notification)

Date:

By :

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PART IV - ADDITIONAL NOTES, DESCRIPTIONS, & INFORMATION

Name of Individual Completing Form: Wells

Include sketch showing tank(s) location, sampling sites, etc. Attach photos.

See attached documents.

Tank originally installed by U.S. Navy.

Ref. dwngs: 57-174 & -172

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PART V - SOILS TESTING

Name of Individual Completing Form: Wells

- PRE-REMOVAL SOILS TESTING

Date of Sampling: 24-AUG-89 Who took Samples: Wells

Number of Samples/Locations: One, north end of tank

Testing By: Laucks Date: report 28-SEP-89

Results (include documentation):
50,000 ppm TPH

If standards are exceeded, WDOE must be notified. Attach correspondence or describe who was contacted, by whom, when and results.

Costs of Above:

- SOILS TESTING DURING TANK REMOVAL NONE

Any visual or other indications of soils or water contamination?
Visual staining/saturation with petroleum product.

Samples (number/type/location/ by whom?):

Testing By: Date:

Results (include documentation):

If standards are exceeded, WDOE must be notified. See above.

Costs of Above:

ADDITIONAL TESTING REQUIRED

Describe requirements, indicate who did what, when, results and costs.
Include all appropriate documentation.

Test borings and installation of monitoring wells by Harding-Lawson.
Preliminary results indicate diesel/kerosene contamination at levels of nil to 16,000 ppm TFH. Presence of free product observed. 5 ppm TFH in water sample from one well, other clean. Report of observations is in file.

REMEDIAL ACTION REQUIRED? YES If yes, See Part VI.

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PART VI - REMEDIATION

Name of Individual Completing Form: Wells

Summarize remediation requirements, actions taken from beginning to end and costs. Attach appropriate documentation.

Because degree of contamination is inconsistent with size/use of tank, problem source is unclear but likely from operation of adjacent tank farm. Remediation should be dealt with in context of ongoing tank farm investigations & remediation.